Class 3 Maths MTP

ASPIRE

Autumn	Place Value		Addition and subtraction		Multiplication	
	Year 2	**Year 3**	**Year 2**	**Year 3**	**Year 2**	**Year 3**
	Sort objects to 20 Count objects to 100 by making 10s Recognise tens and ones Use a place value chart Partition numbers to 100 Write numbers to 100 in words Flexibly partition numbers to 100 Write numbers to 100 in expanded form 10s on the number line to 100 10s and 1s on the number line to 100 Estimate numbers on a number line Compare objects Compare numbers Order objects and numbers Count in 2s, 5s and 10s Count in 3s	Represent numbers to 100 Partition numbers to 100 Number line to 100 Hundreds Represent numbers to 1,000 Partition numbers to 1,000 Flexible partitioning of numbers to 1,000 Hundreds, tens and ones Find 1, 10 or 100 more or less Number line to 1,000 Estimate on a number line to 1,000 Compare numbers to 1,000 Order numbers to 1,000 Count in 50s Consolidation	Fact families - addition and subtraction bonds within 20 Related facts Bonds to 100 (tens) Add and subtract 1s Add by making 10 Add three 1-digit numbers Add to the next 10 Add across a 10 Subtract across 10 Subtract from a 10 Subtract a 1-digit number from a 2-digit number (across a 10) Add two 2-digit numbers (not across a 10) Add two 2-digit numbers (across a 10) Small steps Subtract two 2-digit numbers (not across a 10) Subtract two 2-digit numbers (across a 10) Mixed addition and subtraction Compare number sentences Missing number problems	Apply number bonds within 10 Add and subtract 1s Add and subtract 10s Add and subtract 100s Spot the pattern Add 1s across a 10 Add 10s across a 100 Subtract 1s across a 10 Small steps Subtract 10s across a 100 Make connections Add two numbers (no exchange) Subtract two numbers (no exchange) Add two numbers (across a 10) Add two numbers (across a 100) Subtract two numbers (across a 10) Subtract two numbers (across a 100) Add 2-digit and 3-digit numbers Subtract a 2-digit number from a 3-digit number Complements to 100 Inverse operations	Count in 2s Count in 10s Count in 5s Recognise equal groups Add equal groups Make arrays Make doubles Make equal groups – grouping Make equal groups – sharing Problem solving Consolidation	Use arrays Multiples of 2 Multiples of 5 and 10 Multiply by 3 The 3 times-table Multiply by 4 The 4 times-table The 8 times-table Multiples of 10 Related calculations Multiply a 2-digit number by a 1-digit number – no exchange Multiply a 2-digit number by a 1-digit number – with exchange

Spring	Division		Statistics		Fractions	
	Year 2	**Year 3**	**Year 2**	**Year 3**	**Year 2**	**Year 3**
	Recognise equal groups Make equal groups Use arrays Make equal groups – grouping Make equal groups – sharing Divide by 2 halving Divide by 10 Divide by 5	Sharing and grouping Divide by 3 Divide by 4 Divide by 8 Divide a 2-digit number by a 1-digit number – no exchange Divide a 2-digit number by a 1-digit number – flexible partitioning Divide a 2-digit number by a 1-digit number – with remainders Scaling	Make tally charts Tables Block diagrams Draw pictograms Interpret pictograms Draw pictograms Interpret pictograms	Interpret pictograms Draw pictograms Interpret bar charts Draw bar charts Collect and represent data Two-way tables	Recognise a half Find a half Recognise a quarter Find a quarter Recognise a third Find a third Find the whole Unit fractions and non-unit fractions Recognise the equivalence of a half and two-quarters Recognise three-quarters Find three-quarters Count in fractions up to a whole	Compare and order unit fractions Understand the whole Compare and order non-unit fractions Fractions and scales Fractions on a number line Count in fractions on a number line Equivalent fractions on a number line Equivalent fractions as bar models Add fractions Subtract fractions Partition the whole Unit fractions of a set of objects Non-unit fractions of a set of objects Reasoning with fractions of an amount

Shape- Position and direction	
Year 2	**Year 3**
Recognise 2D and 3D shapes Count side on 2D shapes Lines of symmetry Sort 2D and 3D shapes Count faces on 3D shapes Count vertices on 3D shapes Patterns with 2D and 3D shapes Language of position Describe movement Describe turns Describe movement and turns Shape patterns with turns	Turns and angles Right angles Compare angles Measure and draw accurately Horizontal and vertical Parallel and perpendicular Recognise and describe 2-D shapes Draw polygons Recognise and describe 3-D shapes Make 3-D shapes

Summer	Time		Money	
	Year 2 O'clock and half past Quarter past and quarter to Tell the time past the hour Tell the time to the hour Tell the time to 5 minutes Minutes in an hour Hours in a day Consolidation	**Year 3** Tell the time to 5 minutes Tell the time to the minute Read time on a digital clock Use am and pm Days and hours Hours and minutes – use start and end times Hours and minutes - use durations Minutes and seconds Units of time Solve problems with time	**Year 2** Count money – pence Count money – pounds (notes and coins) Choose notes and coins Make the same amount Compare amounts of money Calculate with money Make a pound Find change Two-step problems	**Year 3** Pounds and pence Convert pounds and pence Add money Subtract money Mixed money word problems Find change Reasoning problems Consolidation
	Length and height		**Mass, capacity and temperature**	
	Year 2 Measure in centimetres Measure in metres Compare lengths and heights Order lengths and heights Four operations with lengths and heights	**Year 3** Measure in metres and centimetres Measure in millimetres Measure in centimetres and millimetres Metres, centimetres and millimetres Equivalent lengths (metres and centimetres) Equivalent lengths (centimetres and millimetres) Compare lengths Add lengths Subtract lengths What is perimeter? Measure perimeter Calculate perimeter	**Year 2** Compare mass Measure in grams Measure in kilograms Four operations with mass Compare volume and capacity Measure in millilitres Measure in litres Four operations with volume and capacity Temperature	**Year 3** Use scales Measure mass in grams Measure mass in kilograms and grams Equivalent masses (kilograms and grams) Compare mass Add and subtract mass Measure capacity and volume in millilitres Measure capacity and volume in litres and millilitres Equivalent capacities and volumes (litres and millilitres) Compare capacity and volume Add and subtract capacity and volume